**HORIZON2020**

**Cross-cutting activities (Focus Areas)**

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| **TOPIC** | | **DEADLINE** |
| **CALL: INDUSTRY 2020 IN THE CIRCULAR ECONOMY** | | |
|  | [CIRC-01-2016-2017: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/circ-01-2016-2017.html) | 07 March 2017  05 September 2017 |
|  | [CIRC-02-2016-2017: Water in the context of the circular economy](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/circ-02-2016-2017.html) | 07 March 2017  05 September 2017 |
|  | [FOF-06-2017: New product functionalities through advanced surface manufacturing processes for mass production](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fof-06-2017.html) | 19 January 2017 |
|  | [FOF-07-2017: Integration of unconventional technologies for multi-material processing into manufacturing systems](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fof-07-2017.html) | 19 January 2017 |
|  | [FOF-08-2017: In-line measurement and control for micro-/nano-enabled high-volume manufacturing for enhanced reliability](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fof-08-2017.html) | 19 January 2017 |
|  | [FOF-09-2017: Novel design and predictive maintenance technologies for increased operating life of production systems](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fof-09-2017.html) | 19 January 2017 |
|  | [FOF-10-2017: New technologies and life cycle management for reconfigurable and reusable customised products](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fof-10-2017.html) | 19 January 2017 |
|  | [FOF-12-2017: ICT Innovation for Manufacturing SMEs (I4MS)](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fof-12-2017.html) | 19 January 2017 |
|  | [SPIRE-07-2017: Integrated approach to process optimisation for raw material resources efficiency, excluding recovery technologies of waste streams](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/spire-07-2017.html) | 19 January 2017 |
|  | [SPIRE-08-2017: Carbon dioxide utilisation to produce added value chemicals](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/spire-08-2017.html) | 19 January 2017 |
|  | [SPIRE-09-2017: Pilot lines based on more flexible and down-scaled high performance processing](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/spire-09-2017.html) | 19 January 2017 |
|  | [SPIRE-10-2017: New electrochemical solutions for industrial processing, which contribute to a reduction of carbon dioxide emissions](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/spire-10-2017.html) | 19 January 2017 |
|  | [SPIRE-11-2017: Support for the enhancement of the impact of SPIRE PPP projects](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/spire-11-2017.html) | 19 January 2017 |
|  | [SPIRE-12-2017: Assessment of standardisation needs and ways to overcome regulatory bottlenecks in the process industry](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/spire-12-2017.html) | 19 January 2017 |
|  | [SPIRE-13-2017: Potential of Industrial Symbiosis in Europe](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/spire-13-2017.html) | 19 January 2017 |
| **CALL: INTERNET OF THINGS** | | |
|  | [IoT-03-2017: R&I on IoT integration and platforms](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/iot-03-2017.html) | 25 April 2017 |
| **CALL: SMART AND SUSTAINABLE CITIES** | | |
|  | [SCC-02-2016-2017: Demonstrating innovative nature-based solutions in cities](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/scc-02-2016-2017.html) | 07 March 2017  05 September 2017 |
|  | [SCC-1-2016-2017: Smart Cities and Communities lighthouse projects](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/scc-1-2016-2017.html) | 14 February 2017 |